# Feature of product

The device adopts technologies such as microcomputer control and digital scanning converter (DSC), large dynamic broadband low-noise preamplifier, logarithmic compression, dynamic filtration, edge enhancement etc. to ensure legible, stable and high resolution images.

Display modes: B, B+B, 4B, B+M, M

Gray scales: 256

Realize real time image display, frozen, zoom, store, up/down left/right reversal and Cine-loop. Multi-level scanning depth to choose, dynamic range, frame parameter adjust and focuses, focus location move. 16 body marks.

Comment : date & time, name, sex, age, doctor, hospital, annotation, distance, circumference, area, PAL-D video out, link to video printer or video device. USB 2.0 for real-time picture uploading to PC

Combined power supply mode of AC adapter and built-in Li-ion chargeable battery, the power saving mode to enable more lasting battery operation.

Jet molding enclosure with hand-held structure makes it convenient for out diagnoses.

Standard Configuration: Main unit + 6.5MHz Rectal Probe.

Options: CXA/50R/3.5MHz Convex Probe, C1-12/20R/5.0MHz Micro-convex Probe, L1-5/7.5MHz Linear Probe.

# Product details introduction

**Scope of application**

It is suitable for animal diagnosis such as pigs, horses, cattle, sheep, cats and dogs.

## Specifications

|  |  |
| --- | --- |
| 型号 Type |  EC8000AV |
| Probe | 7.5Mhz Linear Probe6.5Mhz Linear Rectal Probe | 3.5Mhz Convex Probe | 5.0Mhzmicro-Convex Probe |
| Scan Depth(Mm) | ≥80 | ≥140 | ≥90 |
| Resolution (Mm) | Lateral | ≤1( Depth ≤60) | ≤3( Depth ≤80)≤5(80＜ Depth ≤130) | ≤3( Depth ≤60) |
| Axial | ≤1( Depth ≤80) | ≤1( Depth ≤80) | ≤1( Depth ≤60) |
| Blind Area (Mm) | ≤3 | ≤6 | ≤5 |
| Geometric  PositionPrecision(%) | Horizontal | ≤5 | ≤7.5 | ≤7.5 |
| Vertical | ≤5 | ≤5 | ≤5 |
| Monitor Size | 6.4 Inch Tft-Lcd |
| Display Modes | B,B+B,B+M,M,4B |
| Gray Scales | 256 |
| Image Permanent Storage | 64 Frames |
| Gain Range | 0-192db(Adjust Range 64-192db) |
| Cine-Loop | ≥400 Frames |
| Scanning Depth | 70mm-240mm |
| Image Conversion | Up/Down, Left/Right |
| Body Marks | 16 |
| Image Process | Faked Color, Gray Calibration, Image Smooth And Histogram. |
| Frequency Adjustment | 3 |
| Frame Correlation Adjust | Support |
| Measuring Functions | Distance, Circumference, Area, Volume, Ef Rate |
| Comment | Date & Time, Name, Pid, Sex, Age, Doctor, Hospital, Annotation |
| Output Report | Support |
| Port | Usb2.0; Video |
| Time To Empty | >3 Hours |
| Size | Length(230mm)\*Width(153mm)\*Depth(46mm) |
| Weight | 700g |
| Power | 45W |

## Standard Configuration

 Main Unit

 Adapter

 Battery

 LNA64/6.5MHz Animal Rectal Probe

 User’s Manual

 Power connection

 Inspection Report

Packing List

## Optional Configuration

1. CXA50R/3.5MHz Convex Probe
2. CXA20R/5.0MHz Micro-Convex Probe